

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 July 2004 (08.07.2004)

PCT

(10) International Publication Number
WO 2004/057205 A2

(51) International Patent Classification ⁷ :	F16D 65/00	(81) Designated States (<i>national</i>): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
(21) International Application Number:	PCT/EP2003/014704	
(22) International Filing Date:	22 December 2003 (22.12.2003)	
(25) Filing Language:	English	
(26) Publication Language:	English	
(30) Priority Data:		
	TO2002 A 001104	
	20 December 2002 (20.12.2002) IT	
(71) Applicant (<i>for all designated States except US</i>): AK-TIEBOLAGET SKF [SE/SE]; S-415 50 Goteborg (SE).		
(72) Inventors; and		
(75) Inventors/Applicants (<i>for US only</i>): CORBETT, Richard [GB/IT]; Via Cardonata, 32, I-10060 San Secondo Di Pinerolo (IT). BERUTTI, Ettore [IT/IT]; Corso Traiano, 60, I-10135 Torino (IT).		
(74) Agents: FIORAVANTI, Corrado et al.; Jacobacci & Partners S.p.A., Corso Regio Parco, 27, I-10152 Torino (IT).		

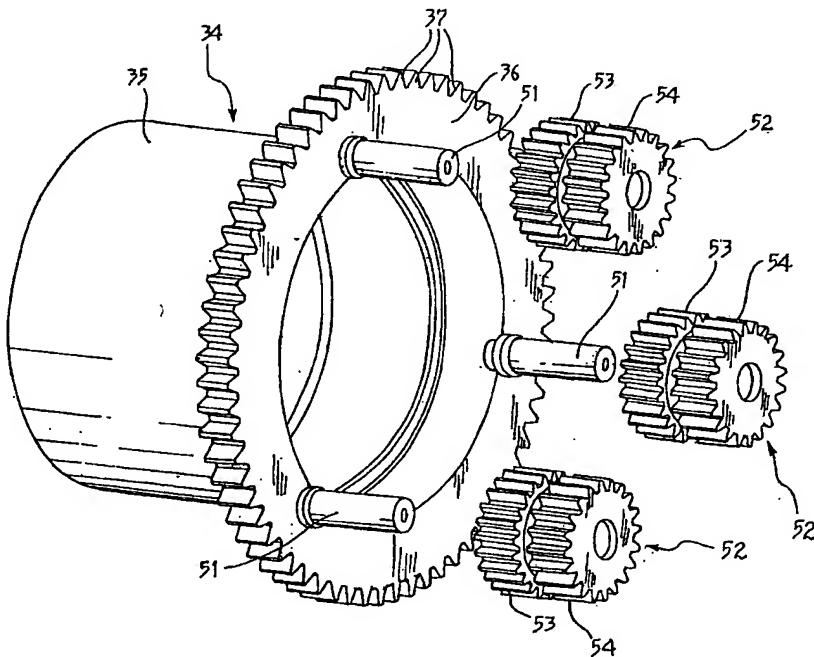
(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV,*

[Continued on next page]

(54) Title: AN ELECTRO-MECHANICAL SCREW ACTUATOR ASSEMBLY



WO 2004/057205 A2

(57) Abstract: The assembly comprises an electric motor (30) with a stator (31) and a rotor (34), a screw mechanism (60) including a rotatable nut (61) and a central screw (62) translatable along a given axis (x), and a planetary gear reduction system (50) disposed between the rotor (34) and the screw mechanism (60). The rotor (34) serves as a carrier for the satellite gears (52) of the reduction system (50).



MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

Published:

- without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.